

117: gb_gss13: *
118: gb_gss14: *
119: gb_gss15: *
120: gb_gss16: *
121: gb_gss17: *
122: gb_gss18: *
123: gb_gss19: *
124: em_gss13: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	473.6	5.8	549	79	AM657531 110922 MA
2	336.6	4.1	632	47	AL134888 DKEP762K
3	309.6	3.0	345	71	AM358862 43799 MAR
4	302.6	3.7	341	72	AM416859 52601 MAR
5	299.6	3.6	780	92	AM416859 52601 MAR
6	285.4	3.5	538	119	AM4053598 RPCI-23-4
7	281.6	3.4	621	64	AM114058 MC1153 mo
8	275	3.3	542	117	AM929283 RPCI-23-2
9	273.4	3.3	602	117	AM929513 RPCI-23-2
10	273.4	3.3	599	117	AM919484 RPCI-23-2
11	273	3.3	704	69	AM215497 up0401.x
12	272	3.3	607	119	AM015736 RPCI-23-3
13	271.6	3.3	542	119	AM073478 RPCI-23-4
14	271	3.3	556	118	AM0988310 RPCI-23-3
15	270.8	3.3	691	117	AM920012 RPCI-23-2
16	269.6	3.3	497	119	AM060422 RPCI-23-4
17	265.8	3.2	535	119	AM018423 RPCI-23-2
18	264.8	3.2	479	118	AM0988719 RPCI-23-3
19	262.8	3.2	580	119	AM040659 RPCI-23-2
20	261.2	3.2	594	119	AM024758 RPCI-23-2
21	259.2	3.2	564	118	AM0988182 RPCI-23-2
22	259.2	3.2	614	118	AM0984045 RPCI-23-3
23	258.4	3.1	510	40	AM506998 v155405.x
24	256.2	3.1	496	118	AM003313 RPCI-23-2
25	255	3.1	590	117	AM032217 RPCI-23-2
26	251.8	3.1	474	119	AM019967 RPCI-23-2
27	251.2	3.1	626	119	AM040324 RPCI-23-2
28	251.2	3.1	581	118	AM006626 RPCI-23-3
29	249	3.0	671	118	AM006626 RPCI-23-3
30	245	3.0	519	119	AM073828 RPCI-23-4
31	244	3.0	620	117	AM029961 RPCI-23-2
32	242	2.9	593	119	AM024838 RPCI-23-3
33	241.8	2.9	560	119	AM023329 RPCI-23-3
34	241.2	2.9	557	119	AM060989 RPCI-23-4
35	241.2	2.9	557	119	AM060989 RPCI-23-4
36	239.4	2.9	766	42	AM648716 uk28a08.x
37	239	2.9	503	117	AM0932220 RPCI-23-2
38	238.8	2.9	580	29	AM624937 vn91d11.r
39	238.6	2.9	512	118	AM093385 RPCI-23-2
40	238	2.9	610	119	AM068000 RPCI-23-4
41	237.4	2.9	559	41	AM1585993 v36g05.x
42	237.2	2.9	430	119	AM023851 RPCI-23-3
43	237.2	2.9	481	117	AM025578 RPCI-23-2
44	237.2	2.9	568	81	AM025578 RPCI-23-2
45	236.4	2.9	849	114	AM0744486 HS-5508-A
			568	118	AM008963 RPCI-23-3

ALIGNMENTS

RESULT 1
AM657531 549 bp mRNA
LOCUS 110922 MARC 1BOV BOS taurus cDNA 5', mRNA sequence.
DEFINITION
ACCESSION AM657531 EST 05-APR-2000

VERSION AM657531.1 GI:7423429
KEYWORDS EST.
SOURCE Bos taurus.
ORGANISM Bos taurus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovidae; Bovinae; Bos.
REFERENCE 1 (bases 1 to 549)
AUTHORS Smith,T.P.L., Casas,E., Stone,R.T., Heaton,M.P., Grosse,W.M., Bennett,G.A., Fahrenkrug,S.C., Freking,B.A., Rohrer,G.A. and Keefe,J.W.
Design and use of four pooled tissue normalized cDNA libraries for EST discovery in cattle
Unpublished (2000)
On Oct 30, 1998 this sequence version replaced gi:3815947.
COMMENT Contact: Smith TPL
USDA, ARS, US Meat Animal Research Center
PO Box 166, Clay Center, NE 68933-0166, USA
Tel: 402 762 4366
Fax: 402 762 4390
Email: smith@meat.marc.usda.gov
Single pass sequencing. Bases called and alt-trimmed with phred v0.980904.e. Vector identified by cross-match with the -mismatch and -mismatch 12 options.
PCR Primers
FORWARD: AGGAACACCTATGACCAT
REVERSE: GTTTCCTGACGACG
BACKWARD: GTTTCCTGACGACG
Plate: 94 row: E column: 12
Seq primer: ATTAGTGACACTATAG.
Location/Qualifiers
1. 549
/organism="Bos taurus"
/db_xref="taxon:9913"
/clone_lib="MARC 1BOV"
/tissue_type="pooled"
/lab_host="DH10B"
/note="Vector: pCMV SPORT6; Site_1: XbaI; Site_2: XhoI; Library made from pooled tissue from lymph node, ovary, fat, hypothalamus, and pituitary."

BASE COUNT 145 a 144 c 121 g 139 t

ORIGIN
Query Match 5.8%; Score 473.6; DB 79; Length 549;
Best Local Similarity 92.7%; Pred. No. 2.1e-122;
Matches 508; Conservative 0; Mismatches 39; Indels 1; Gaps 1;

6483 ctccacaggtgttcctgttaagacagagacagacgttcacgtccacagagagctt 6542
2 ctccccgggtgttcctgttaagacagagacagacgttcacgtccacagagagctt 61
6543 ccaagccatcaactccacagacgttcacgtccacagagagctt 6602
62 ccaagccatcaactccacagacgttcacgtccacagagagctt 121
6603 agggcctccttaag 6662
122 agggcctccttaag 181
6663 tagaatacaatgag 6722
182 tagaatacaatgag 241
6723 gggagacatgag 6782
242 gggagacatgag 301
6783 ttatagcagagcctcagagagagagagagagagagagagagagagagagagag 6842
302 ttatagcagagcctcagagagagagagagagagagagagagagagagagagag 361
6843 caatactggttaacccctgtgttcacacacacacacacacacacacacacacac 6902

FEATURES

Contact: Blum H
MIPS
Am Klopferspitz 18a D-82152 Martinsried, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email: s.wiemann@dkfz-heidelberg.de;
sequenced by LMU (Ludwig Maximilians University
Munich/Germany) within the cDNA sequencing consortium of the German
Genome Project.
No 31 sequence available.
This clone (DKFZp762K0910) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubneweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/availability

[illegible]

RESULT	3				
LOCUS	AM358862				
DEFINITION	43799 MAMC 2P1G Sus scrofa cDNA 5' , mRNA sequence.	345 bp	mRNA	EST	04-FEB-2000
ACCESSION	AM358862				
VERSION	AM358862.1				
KEYWORDS	EST,				
SOURCE	pig.				
ORGANISM	Sus scrofa				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.				
AUTHORS	Fehrenkamp,S.C., Freeling,B.A., Rohrer,G.A., Smith,T.P.L., Casas,E., Stone,R.T., Heaton,M.P., Grosse,W.M., Bennett,G.A., and Keele,J.W.				
TITLE	Design and use of two pooled tissue normalized cDNA libraries for EST discovery in swine				
JOURNAL	Unpublished (2000)				
COMMENT	On Jul 9, 1999 this sequence version replaced d1:5866807				

Contact: Smith TPL
 USDA, ARS, US Meat Animal Research Center
 PO Box 166, Clay Center, NE 68933-0166, USA
 Tel: 402 762 4366
 Fax: 402 762 4390
 Email: smitht@mail.marc.usda.gov
 Single pass sequencing. Bases called and trimmed with phred
 v0.960904.e. Vector identified by cross_match with the -minscore 20
 and -mismatch 12 options.
 PCR Primers
 FORWARD: AGGAACAGCTATGACCAT
 BACKWARD: GTTTCACAGTCACGAG
 Plate: 25 row: D column: 18
 Seq primer: ATTGTAGTGACATCATAC.
 Location/Qualifiers
 1..345
 /organism="Sus scrofa"
 /db_xref="taxon:9823"
 /clone_lib="MARC 2P16"
 /tissue_type="pooled"